

Name of Work:- Improvements to Roads and drains at Surya Enclave roads and other roads in ward No 12, Shettyhalli Sub Division

ತಾಂತ್ರಿಕ ವರದಿ

ದಾಸರಹಳ್ಳಿ ವಿಧಾನ ಸಭಾ ಕ್ಷೇತ್ರದ ವಾರ್ಡ್ ನಂ.12 ರ ಶೆಟ್ಟಿಹಳ್ಳಿ ಇತ್ತೀಚೆಗೆ ನಗರಸಭೆಯಿಂದ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಗೆ ಸೇರ್ಪಡೆಯಾಗಿದ್ದು, ಸದರಿ ವಾರ್ಡ್‌ನಲ್ಲಿ ಹೊಸದಾಗಿ ವಾರ್ಡ್ ನಂ.12 ಅಭಿವೃದ್ಧಿ ಸೂರ್ಯ ಎನ್‌ಕ್ಲೇವ್‌ನಲ್ಲಿ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗಳು ಅವಶ್ಯಕವಾಗಿರುವುದರಿಂದ ರಸ್ತೆ ಮತ್ತು ಚರಂಡಿ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗೆ ರೂ. 100.00 ಲಕ್ಷಗಳನ್ನು ಪಿಕ್‌ಪಾಡ್-ಪಿ3442 ಬಿಬಿಎಂಪಿ ಅನುದಾನದಲ್ಲಿ ಜಾಬ್‌ಕೋಡ್ ಸಂಖ್ಯೆ: 012-19-000017 ರಲ್ಲಿ ಅನುವು ಮಾಡಿಕೊಳ್ಳಲಾಗಿದೆ.

ಮುಂದುವರೆದಂತೆ, 2018-19 ನೇ ಸಾಲಿಗೆ ಬಿಬಿಎಂಪಿ ಅನುದಾನದ ಮೀಸಲಿಡಲಾದ ಅನುದಾನದಲ್ಲಿ ಶೆಟ್ಟಿಹಳ್ಳಿ ವಾರ್ಡ್‌ನಲ್ಲಿ ಅಭಿವೃದ್ಧಿ ಸೂರ್ಯ ಎನ್‌ಕ್ಲೇವ್‌ನಲ್ಲಿ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗಳು ಅವಶ್ಯಕವಾಗಿರುವುದರಿಂದ ರಸ್ತೆ ಮತ್ತು ಚರಂಡಿ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗೆ ರೂ. 100.00 ಲಕ್ಷಗಳ ಅನುದಾನವನ್ನು ಅನುವು ಮಾಡಿಕೊಂಡು ಈ ಕೆಳಕಂಡ ಅಂಶಗಳನ್ನು ಉಪಯೋಗಿಸಿಕೊಂಡು ಕ್ರಮವಹಿಸಲು ಅಂದಾಜಿನಲ್ಲಿ ಉದ್ದೇಶಿಸಲಾಗಿದೆ.

ಅಂದಾಜಿನಲ್ಲಿ ಈ ಕೆಳಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಳ್ಳಲಾಗಿದೆ.

1. Earthwork excavation by manual means in Ordinary soil.
2. Plain cement concrete of mix 1:3:6
3. Providing and laying in position plain cement concrete of mix M20
4. Providing laying plain / reinforced cement concrete for side Drain using M20 nominal mix concrete
5. Supplying, fitting and placing TMT bar Fe 500.
6. Providing and laying Pre Cast Drain Cover slabs of 250mm thick for drain, etc.,

ಇತ್ಯಾದಿ ಮುಂತಾದ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆಯ ಬೆಂಗಳೂರು ವೃತ್ತದ 2018-19 ನೇ ಸಾಲಿನ ದರಪಟ್ಟಿಯಂತೆ ರೂ. 100.00 ಲಕ್ಷಗಳಿಗೆ ಅತೀ ಸೂಕ್ಷ್ಮ ಸರಳತೆ ಅನುಸರಿಸಿ ಅಂದಾಜನ್ನು ತಯಾರಿಸಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ.12

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ

BRUHATH BANGALORE MAHANAGARA PALIKE
DASARAHALLY ZONE

Name of work : Improvements to Roads and drains at Surya Enclave roads and other roads in ward No 12, Shettyhalli Sub Division

Estimated Cost : Rs 100.00 Lakhs

P code- 3442

Job No : 012-19-000017

Sl. No	Description of work	Measurements				Qty	Rate	Amount
		No	L	B	D			
1	KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (PWD SR 2018-19, Page No. 143 / Item No. 19.1) including conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 5 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of Engineer in charge of the work.							
	for Drain surya enclave main road	2	240.00	1.20	1.00	576.00		
	cross roads	2	175.00	1.20	1.00	420.00		
	culverts	7	7.00	1.70	1.00	83.30		
		1	22.00	1.20	1.00	26.40		
		1	70.50	1.20	1.00	84.60		
		1	280.00	0.60	0.40	67.20		
	For Name Boards	134	0.45	0.45	0.90	24.42		
			794.95		Cum	1281.92	211.79	271496.00
	Basic Rate	130.00						
	add loading & unloading	57.00						
	lead for 5 km=5*1.28*2.0	12.80						
	Total	199.80						
	add AW 6%	11.99						
	G Total	211.79						
2	KSRRB M2100 -10. Plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46 cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications MORTH Specification No. 2100 (PWD SR 2018-19 Page No.222 , Item No. 27.18)							
	surya enclave main road	2	240.00	1.00	0.15	72.00		
	Puschim Counti	2	175.00	1.00	0.15	52.50		
	culverts	7	7.00	1.50	0.15	11.03		
		1	22.00	1.00	0.15	3.30		
		1	70.50	1.00	0.15	10.58		
	For Name Boards	134	0.45	0.45	0.15	4.07		
					Cum	153.47	5421.90	832100.00
	Basic rate	5115.00						
	Add AW 6%	306.90						
	Total	5421.90						

3	KSRRB 4-1.5 : Providing and laying in position plain cement of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.43 cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth and cills, including cost of all materials, labour, HOM of machinery curing complete as per specification [PWD SR 2018-19, Page No.13 - Item No.4.5]							
	For Name Boards	134.00	0.45	0.45	0.60	16.28		
					Cum	16.28	5647.68	91950.00
	Basic rate	5328.00						
	Add AW 6%	319.68						
	Total	5647.68						
4	Providing laying palin / reinforced cement concrete for side Drain using M20 nominal mix concrete with OPC at 300 kgs with 20 mm and down size granite metal coarse aggregates at 0.69 cum fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., completet excluding cost of steel ae per MMORTH specification No 1500, 1700, 2200. including cost of materials, labour, HOM completet as per specificatios. wall and bottom thickness 15 cms (PWD SR 2018-19 Item No 37.59.2 Page No 271)							
	Drain bed							
a	surya enclave main road	2	240.00	0.90	0.15	64.80		
	Puschim Counti	2	175.00	0.90	0.15	47.25		
		1	22.00	0.90	0.15	2.97		
		1	70.50	0.90	0.15	9.52		
b	side wall							
	surya enclave main road	4	240.00	0.15	0.75	108.00		
	cross road	4	175.00	0.15	0.65	68.25		
		2	22.00	0.15	0.65	4.29		
		2	70.50	0.15	0.65	13.75		
						318.83		
	culverts bottom	7	7.00	0.15	0.65	0.68		
	culverts side wall	14	7.00	0.35	0.65	22.30		
						22.98		
	Basic rate	6670.00			Cum	341.80	7070.20	2416612.00
	Add AW 6%	400.20						
	Total	7070.20						
5	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [PWD SR 2018-19, Page No.229 - Item No.28.8.2]							
	for drain	Qty=It4(a)x55 kg				17535.38		
	for Culverts	Qty=It 4(b)x 65kg				1493.54		
						19028.91		
		Tonne		or Say		19.03	72316.38	1376102.00
	Basic rate	68223.00						
	Add AW 6%	4093.38						
	Total	72316.38						

6	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials							
	surya enclave main road	2	240.00	0.90		432.00		
	Puschim Counti	2	175.00	0.90		315.00		
		1	22.00	0.90		19.80		
		1	70.50	0.90		63.45		
	pipeline road	1	280.00	0.90		252.00		
	Approved Data rate	1651.00			sqm	1082.25	1651.00	1786795.00
7	Providing and laying Pre Cast Drain Cover slabs of 250mm thick for drain in cement concrete m 20 using graded ganite jelly 20 mm and down size with steel reinforcement, including form work, lift charges, curing and concrte finished surfaces on both side etc complete and as per drawing and directions of Engineer-in- charge of work (Data Rate enclosed)							
		7	7.00	1.50		73.50		
					sqm	73.50	5241.00	385213.50
	Approved Data rate	5241.00						
8	Providing and fixing street Name boards (Approved copy enclosed)							
	Name Boards	134				134		
					Nos	134	5203.00	697202.00
	Approved Data rate	5203.00						
9	KSRB 2-2.3: Excavation by manual means for foundation of buildings, watersupply & sanitary lines and electrical conduits etc., either in pits or in trenches 1.50m and above in width, in soft rock / ordinary rock not exceeding 1.50mtrs in depth including stacking the excavated stuff clear from edges of excavation with lead upto 50mt including cost of explosives, labour, HOM complete as per specifications,specification. No. KBS 2.1 C/2.9.4/2.18/2.19 (PWD SR 2018-19, Page.No.6, Item.No.2.5)							
		1	26.00	12.00	0.55	171.60		
		1	38.00	6.50	0.65	160.55		
					Nos	332.15	727.16	241526.19
	Basic Rate	686.00						
	Area Weightage @ 6%	41.16						
	Total	727.16						
10	Providing Laying, fixing & Installation of Computerized Stickers to the name boards including erasing Old Stickers Cleaning the Name board & applying neatly computerized stickers to the Name board							
	As per market Rate = Two sides x							
	134of Name boards=268 Nos	268				268.00		
					Nos	268.00	600.00	160800.00
	Approved Data rate	600.00						

11	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 .(PWD SR 2018-19, Page.No.143, Item.No.19.14)							
	1	25.00	15.00	2.20	825.00			
				Cum	825.00	43.46		35854.50
	Basic Rate	41.00						
	Area Weightage @ 6%	2.46						
	Total	43.46						
12	KSRRB M300-53. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel I murum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 .(PWD SR 2018-19, Page.No.147, Item.No.19.60)							
	1	225.00	11.00	0.25	618.75			
				Cum	618.75	344.50		213159.38
	Basic Rate	325.00						
	Area Weightage @ 6%	19.50						
	Total	344.50						
						Sub Total		8508850.23
						Add GST @ 12 %		1021062.00
13						Add for KRIDL Charges @4.5%		382898.00
14						Add PMC charges @ 1%		85089.00
15						Add for unforeseen charges and rounding off		2100.77
16						TOTAL		10000000.00
(Rupees One hundred Lakhs Only)								

CERTIFICATE

- 1 Certified that The work spot has been inspected by me and the work is necessary & site condition
- 2 Certified that the work is not split up
- 3 Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2018-19
- 4 Certified that Adequate & necessary provisions have made in the estimate.
- 5 Certified that the above area comes under BBMP limit
- 6 This Work is not included in any other work taken up

Asst Engineer
Ward-12

Assistant Executive Engineer
Shettyhalli Sub Division

Executive Engineer
Dasarahalli Division

ಪಂ. ೬೬ / DL / AS / 164 / 19-20 : ದಿನಾಂಕ : 29/08/19.

ರೂ. 100-00 (Lakhs) (Only One Hundred Lakhs only)

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE / D2 / TS / 54 / 2019-20 : ದಿನಾಂಕ : 21/09/2019

ರೂ. 100.00 Lakhs /- (One Hundred Lakhs only)

ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.